IN THE CLAIMS

The following is a complete listing of the claims in this application, reflects all changes currently being made to the claims, and replaces all earlier versions and all earlier listings of the claims:

Claim 1 (Currently Amended): An intervertebral implant [[(1)]], specifically an artificial intervertebral disk, comprising a central axis [[(2)]] and

A) an upper plate-shaped section [[(10)]], suitable for laying onto the base plate of a vertebral body lying above, wherein the upper section [[(10)]] is provided with one ventral side area [[(11)]], one dorsal side area [[(12)]], two lateral side areas [[(13;14)]], an upper apposition surface [[(15)]] and a lower surface [[(16)]];

B) and a lower plate-shaped section [[(30)]] suitable for laying onto the cover plate of a vertebral body lying below, wherein the upper section [[(20)]] is provided with one ventral side area [[(31)]], one dorsal side area [[(32)]], two lateral side areas [[(33;34)]], an upper apposition surface [[(35)]] and a lower surface [[(36)]], wherein

C) between the upper and lower section [[(10;30)]], a central, plate-shaped section [[(20)]] is arranged, wherein the central section [[(20)]] is provided with a ventral side surface [[(21)]], a dorsal side surface [[(22)]], two lateral side surfaces [[(23;24)]], a lower surface [[(25)]] facing the lower section [[(30)]] and an upper surface [[(26)]] facing the upper section [[(10)]];

- D) between the upper section [[(10)]] and the central section [[(20)]], a first circular-cylindrical rod [[(40)]] with a longitudinal axis [[(41)]] is arranged in an antereroposterior orientation and intersects the central axis; and
- E) between the lower section [[(30)]] and the central section [[(20)]], a second circular-cylindrical rod [[(50)]] with a longitudinal axis [[(51)]] is arranged in an medio-lateral orientation and parallel with the central axis.

Claim 2 (Currently Amended): The intervertebral implant [[(1)]] according to claim 1, wherein the lower surface [[(16)]] of the first section [[(10)]] and the upper surface [[(26)]] of the central section [[(20)]] are formed as sliding surfaces for the first, circular-cylindrical rod [[(40)]] that come in contact with them.

Claim 3 (Currently Amended): The intervertebral implant [[(1)]] according to claim 2, wherein the two sliding surfaces [[(16;26)]] for the first circular-cylindrical rod (40) are formed as flat, circular-cylindrical or conical planes have a concave and circular-cylindrical arrangement.

Claim 4 (Currently Amended): The intervertebral implant [[(1)]] according to claim 1, wherein the lower surface [[(25)]] of the central plate-shaped section [[(20)]] and the upper surface [[(36)]] of the lower plate-shaped section [[(30)]] are formed as sliding surfaces for the second, circular-cylindrical rod [[(50)]] that come in contact with them.

Claim 5 (Currently Amended): The intervertebral implant [[(1)]] according to claim 4, wherein the two sliding surfaces [[(25;36)]] for the second, circular-cylindrical rod (50) are formed as flat, circular-cylindrical or conical planes have a concave and circular-cylindrical arrangement.

Claim 6 (Currently Amended): The intervertebral implant [[(1)]] according to claim 2, wherein one or more of the sliding surfaces [[(16;26;25;36)]] is provided at least partially with a peripheral perimeter [[(70)]].

Claim 7 (Currently Amended): The intervertebral implant [[(1)]] according to claim 2, wherein a number of limits/stops [[(80)]] are provided on one or more of the sliding surfaces [[(16;26;25;36)]] for the rotation of the cylindrical rods [[(40;50)]] around the central [[axle]]

axis (2).

Claim 8 (Currently Amended): The intervertebral implant [[(1)]] according to claim 2, wherein a pair of grooves [[(17;27;28;37)]] is provided as a bearing for the first and/or second rod [[(40;50)]] on one or both of the sliding surface pairs [[(16;26;25;36)]] formed by the four sliding surfaces [[(16;26;25;36)]].

Claim 9 (Currently Amended): The intervertebral implant [[(1)]] according to claim 8, wherein the pair of grooves [[(17;27;28;37)]] is congruent to the circular-cylindrical rods [[(40,50)]] carried therein.

Claim 10 (Currently Amended): The intervertebral implant [[(1)]] according to claim 8, wherein at least one pair of grooves [[(17;27;28;37)]] is designed incongruent to the circular-cylindrical rods [[(40,50)]] it has to bear and is preferably provided with a width that allows a limited rotation of the rods [[(40;50)]] around the central axle (2) axis in the grooves [[(17;27;28;37)]].

Claim 11 (Currently Amended): The intervertebral implant [[(1)]] according to claim 8, wherein at least one section of the grooves [[(17;27;28;37)]] is provided with a limit/stop [[(75)]] attached on the periphery to prevent axial shifting of the rod [[(40;50)]] carried therein.

Claim 12 (Currently Amended): The intervertebral implant [[(1)]] according to claim 8, wherein the one pair of grooves [[(17;27)]] for the first rod [[(40)]] runs from the ventral to the dorsal side surfaces [[(11;21;31;12;22;32)]] of the corresponding plate-shaped sections [[(10;20;30)]] and the second pair of grooves [[(28;37)]] for the second rod [[(50)]] runs between the lateral side surfaces [[(13;14;23;24;33;34)]] of the corresponding plate-shaped

sections [[(10;20;30)]].

Claim 13 (Currently Amended): The intervertebral implant [[(1)]] according to claim 7, wherein the limits/stops [[(80)]] are arranged so that the longitudinal axis [[(41)]] of the first rod [[(40)]] intersects the ventral and dorsal side surfaces [[(11;21;31;12;22;32)]] of the corresponding plate-shaped sections [[(10;20;30)]], and that the longitudinal axis [[(51)]] of the second rod [[(50)]] intersects the lateral side surfaces [[(13;14;23;24;33;34)]] of the corresponding plate-shaped sections [[(10;20;30)]].

Claim 14 (Currently Amended): The intervertebral implant [[(1)]] according to claim 1, wherein [[an]] elastically malleable means (60) is provided that holds hold the upper and lower plate-shaped sections [[(10;30)]] together with the intermediate lying central plate-shaped section [[(20)]] and the two rods [[(40;50)]].

Claim 15 (Currently Amended): The intervertebral implant [[(1)]] according to claim 14, wherein the elastically malleable means (60) is provided as are springs [[(61)]] or elastomer connection elements.

Claim 16 (Currently Amended): The intervertebral implant [[(1)]] according to claim 2, wherein the four sliding surfaces [[(16;25;26;36)]] and the two rods [[(40,50)]] are made of metal.

Claim 17 (Currently Amended): The intervertebral implant [[(1)]] according to claim 2, wherein the four sliding surfaces [[(16;25;26;36)]] are made of metal and the two rods [[(40,50)]] are made of ceramic.

Claim 18 (Currently Amended): The intervertebral implant [[(1)]] according to claim 1,

wherein <u>insertion</u> means [[(90)]] are provided that are suitable to create temporary blocking of the mobility of the three plate-shaped sections [[(10;20;30)]] relative to each other.

Claim 19 (Currently Amended): The intervertebral implant [[(1)]] according to claim 18, wherein the <u>insertion</u> means [[(90)]] on the two ventral side surfaces [[(11;21;31)]] can be attached to the three plate-shaped sections [[(10;20;30)]].

Claim 20 (Currently Amended): The intervertebral implant [[(1)]] according to claim 18, wherein the <u>insertion</u> means [[(90)]] comprise an insert [[(91)]] with a lower end [[(95)]] and an upper end [[(96)]] and a depression [[(92;93)]] in the surfaces [[(16;36)]] on each of the two external plate-shaped sections [[(10;30)]], which are open on the ventral side surfaces [[(11;31)]] of the two external plate-shaped sections [[(10;30)]], and that the insert [[(91)]] can be inserted with its ends [[(95;96)]] into each of the two depressions [[(92;93)]].

Claim 21 (Currently Amended): The intervertebral implant [[(1)]] according to claim 20, wherein the depressions [[(42;43)]] are dovetail guides and the ends [[(45;46)]] on the insert [[(41)]] are arranged complementary to these dovetail guides.

Claim 22 (Currently Amended): The intervertebral implant [[(1)]] according to claim 21, wherein the dovetail guides are tapered from the ventral side surfaces [[(11;31)]] of the two external plate-shaped sections [[(10;30)]] towards the dorsal side surfaces [[(12;32)]] of the two external plate-shaped sections [[(10;30)]].

Claim 23 (Currently Amended): A process for the replacement of a defective, natural intervertebral disk eharacterised by an intervertebral implant [[(1)]], comprising the steps of:

A) blocking of the joint(s) [[(38;39)]] of an intervertebral implant [[(1)]] through the special insertion means [[(90)]] in a certain position of the joint(s) [[(38;39)]];

B) insertion of the intervertebral implant [[(1)]] into the intervertebral space to be treated; and

C) release and removal of the <u>insertion means</u> device (90) inserted into the intervertebral implant [[(1)]] for blocking the joint(s) [[(38;39)]].

Claim 24 (Currently Amended): The process according to claim 23, additionally comprising the step of the subsequent blocking of the joint(s) [[(38;39)]] on the implanted intervertebral implant [[(1)]] through the <u>insertion</u> means [[(90)]].